

| L Number | Hits | Search Text   | DB  | Time stamp       |
|----------|------|---|---|------------------|
| 23       | 326  | ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (air adj nozzle))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/15 07:52 |
| -        | 382  | (216/27).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 11:52 |
| -        | 202  | ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle adj guard))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/05 15:46 |
| -        | 34   | ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle adj guard)).ab.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:06 |
| -        | 23   | ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle adj guard)).clm.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 11:55 |
| -        | 20   | ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle adj guard)).ti.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 11:55 |
| -        | 38   | ((((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle adj guard)).ab.) or ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle adj guard)).clm.) or ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle adj guard)).ti.) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 11:55 |
| -        | 4    | ((216/27).CCLS.) and (nozzle near3 guard))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 11:55 |
| -        | 215  | ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle near3 guard))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:05 |
| -        | 410  | ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle near3 protect\$3))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 11:56 |
| -        | 25   | ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle adj protect\$3)).ab.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 11:57 |
| -        | 4    | ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle adj protect\$3)).clm.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 11:57 |
| -        | 14   | ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle adj protect\$3)).ti.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/13 15:22 |

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| - | 36   | ((inkjet or ink-jet or (ink adj jet) or (thermal or recording) adj \$head)) and (nozzle adj protect\$3).ab.) or ((inkjet or ink-jet or (ink adj jet) or (thermal or recording) adj \$head)) and (nozzle adj protect\$3).clm.) or ((inkjet or ink-jet or (ink adj jet) or (thermal or recording) adj \$head)) and (nozzle adj protect\$3).ti.) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:02 |
| - | 693  | (347/20).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:02 |
| - | 345  | (347/22).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:02 |
| - | 631  | (347/29).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:03 |
| - | 124  | (347/34).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:03 |
| - | 1284 | (347/47).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:03 |
| - | 690  | (347/54).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:03 |
| - | 216  | (347/64).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:04 |
| - | 183  | (347/67).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:04 |
| - | 202  | (inkjet or ink-jet or (ink adj jet) or (liquid adj jet) or ((thermal or recording) adj \$head)) and (nozzle adj guard)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:05 |
| - | 221  | (inkjet or ink-jet or (ink adj jet) or (liquid adj jet) or ((thermal or recording) adj \$head)) and (nozzle near3 guard)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:16 |
| - | 34   | ((inkjet or ink-jet or (ink adj jet) or (liquid adj jet) or ((thermal or recording) adj \$head)) and (nozzle adj guard)).ab.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:08 |
| - | 20   | ((inkjet or ink-jet or (ink adj jet) or (liquid adj jet) or ((thermal or recording) adj \$head)) and (nozzle adj guard)).ti.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/12/03 12:08 |

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| - | 23   | ((inkjet or ink-jet or (ink adj jet) or (liquid adj jet) or ((thermal or recording) adj \$5head)) and (nozzle adj guard)).clm.                                       | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/03 12:08 |
| - | 632  | (29/890.1).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/03 12:09 |
| - | 163  | (438/21).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/03 12:09 |
| - | 652  | (inkjet or ink-jet or (ink adj jet) or (liquid adj jet) or ((thermal or recording) adj \$5head)) and (nozzle near3 (protect\$3 or guard))                            | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/03 12:16 |
| - | 77   | (inkjet or ink-jet or (ink adj jet) or (liquid adj jet) or ((thermal or recording) adj \$5head)) and (nozzle near3 (protect\$3 or guard)) and sacrificial            | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/05 15:50 |
| - | 116  | (inkjet or ink-jet or (ink adj jet) or (liquid adj jet) or ((thermal or recording) adj \$5head)) and (nozzle near3 (protect\$3 or guard)) and polyimide              | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/03 12:17 |
| - | 211  | (inkjet or ink-jet or (ink adj jet) or (liquid adj jet) or ((thermal or recording) adj \$5head)) and (nozzle near3 (protect\$3 or guard)) and etch\$3                | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/03 12:18 |
| - | 76   | (inkjet or ink-jet or (ink adj jet) or (liquid adj jet) or ((thermal or recording) adj \$5head)) and (nozzle near3 (protect\$3 or guard)) and etch\$3.clm.           | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/03 12:18 |
| - | 1    | (etch\$3 and ((nozzle or aperture) adj guard)).clm.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/05 15:45 |
| - | 2    | (etch\$3 and ((nozzle or aperture) adj protect\$3)).clm.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/05 15:45 |
| - | 1007 | (inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle with protect\$3)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/15 07:55 |
| - | 73   | ((inkjet or ink-jet or (ink adj jet) or ((thermal or recording) adj \$5head)) and (nozzle with protect\$3)).clm.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/15 07:50 |
| - | 106  | (inkjet or ink-jet or (ink adj jet) or (liquid adj jet) or ((thermal or recording) adj \$5head)) and (nozzle with (protect\$3 or guard)) and sacrificial and etch\$3 | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/12/05 16:29 |
| - | 4    | ("4736212"   "4975718"   "6398343"   "6412908").PN.  | USPAT   | 2003/12/05 16:12 |

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|---|-----|--|--|------------------|
| - | 16  | ("4417259"   "4736212"   "5184344"  <br>"5489927"   "5555461"   "5665249"  <br>"5877788"   "5905517"   "5909230"  <br>"5929877"   "6010254"   "6132028"  <br>"6227660"   "6398343"   "6412904"  <br>"6412908").PN. | USPAT  | 2003/12/05 16:15 |
| - | 28  | (nozzle with (protect\$3 or guard)) same<br>sacrificial same etch\$3   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB<br>USPÄT | 2003/12/05 16:29 |
| - | 4   | ("4736212"   "4975718"   "6398343"  <br>"6412908").PN.   | USPAT  | 2003/12/05 16:38 |
| - | 9   | ("4633267"   "4736212"   "4975718"  <br>"5905517"   "5909230"   "6010254"  <br>"6132028"   "6180427"   "6228668").PN.  | USPAT  | 2003/12/05 16:38 |
| - | 383 | ((inkjet or ink-jet or (ink adj jet) or<br>((thermal or recording) adj \$thead) and<br>nozzle).ti.   | USPAT;<br>US-PGPUB   | 2003/12/13 15:28 |